



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
BOARD AND CODE ADMINISTRATION DIVISION

## NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208  
T (786) 315-2590 F (786) 315-2599

[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

Global Performance Windows, Inc. dba Epsilon USA

2115 SW 2<sup>nd</sup> Street

Pompano Beach, FL 33069

### SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

**DESCRIPTION:** Series "EUSA WW 4 SG" Aluminum Window Wall System – L.M.I.

**APPROVAL DOCUMENT:** Drawing No. EUSA MDC-003, titled "Aluminum Window Wall - Series WW4SG - Large Missile Impact", sheets 1 through 16 of 16, dated 03/28/14, with revision #2 dated 09/03/14, prepared by Facade and Envelope Engineering Consultants, LLC, signed and sealed by Manuel Morales, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING:** Large and Small Missile Impact Resistant.

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Manuel Perez, P.E.



*Handwritten signature and date: 7/10/16/14*

NOA No. 14-0408.03  
Expiration Date: September 11, 2019  
Approval Date: September 11, 2014

Page 1



NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No **EUSA MDC-003**, titled "Aluminum Window Wall - Series WW4SG - Large Missile Impact", sheets 1 through 16 of 16, dated 03/28/14, with revision #2 dated 09/03/14, prepared by Facade and Envelope Engineering Consultants, LLC, signed and sealed by Manuel Morales, P.E.

**B. TESTS**

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Large Missile Impact Test per FBC, TAS 201-94  
5) Small Missile Impact Test per FBC, TAS 201-94  
6) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of a series 3,4SG aluminum window wall system, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-7275**, dated 06/27/13, signed and sealed by Jorge A. Naya, Jr., P.E.
2. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94  
2) Large Missile Impact Test per FBC, TAS 201-94  
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of a series 3,4SG aluminum window wall system, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-7496**, mockup #7, dated 08/09/13, signed and sealed by Jorge A. Naya, Jr., P.E.

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with **FBC-2010**, dated 03/28/14, prepared by Facade and Envelope Engineering Consultants, LLC, signed and sealed by Manuel Morales, P.E.
2. Glazing complies with **ASTM E1300-09**.

**D. QUALITY ASSURANCE**

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 14-0408.03

Expiration Date: September 11, 2019  
Approval Date: September 11, 2014



NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**E. MATERIAL CERTIFICATIONS**


1. Notice of Acceptance No. **11-0624.02** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont SentryGlas® Interlayer**" dated 08/25/11, expiring on 01/14/17.
2. Notice of Acceptance No. **12-1231.08** issued to **Eastman Chemical Company (MA)** for their "**Saflex CP – Saflex and Saflex HP Composite Glass Interlayers with PET Core**" dated 03/28/13, expiring on 12/11/18.

**F. STATEMENTS**

1. Statement letter of conformance, complying with **FBC-2010**, dated 03/28/14, prepared by Facade and Envelope Engineering Consultants, LLC, signed and sealed by Manuel Morales, P.E.
2. Statement letter of no financial interest, dated 03/28/14, prepared by Facade and Envelope Engineering Consultants, LLC, signed and sealed by Manuel Morales, P.E.
3. Proposal **#13-0331**, approved by Product Control Section, dated May 15, 2013, signed by Jaime Gascon, P.E., Supervisor, Product Control Section.
4. Proposal **#13-0331R**, approved by Product Control Section, dated July 10, 2013, signed by Manuel Perez, P.E., Product Control Examiner, Product Control Section.
5. Distributor Agreement between Epsilon Concept, Inc., Quebec, Canada and Global Performance Windows, Inc. dba Epsilon USA, Pompano Beach, Florida, USA, dated 10/11/14, signed by Jean Lefrancois and Gabriel Matteau, respectively.

**G. OTHERS**

1. None.

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 14-0408.03

Expiration Date: September 11, 2019  
Approval Date: September 11, 2014



EPSYLON USA (EUSA)  
SERIES WW-4SG ALUMINUM  
WINDOW WALL  
LARGE MISSILE IMPACT

APPROVAL DRAWINGS

GENERAL NOTES

- THIS PRODUCT HAS BEEN DESIGNED AND TESTED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2010 EDITION, INCLUDING THE REQUIREMENTS FOR HIGH VELOCITY HURRICANE ZONES (HVHZ).
- THIS PRODUCT IS AN ALUMINUM WINDOW WALL SYSTEM, LARGE MISSILE IMPACT RESISTANT, THAT CAN BE USED AT ELEVATIONS BELOW AND ABOVE 30'-0" OF GRADE LEVEL WITHOUT HURRICANE PROTECTIVE SHUTTERS.
- DESIGN LOAD RATING FOR THIS PRODUCT TO BE AS PER CHARTS HEREIN INCLUDED FOR A MAXIMUM OF +160 / -160 PSF.
- THE DESIGN LOADS OF THE LOCATION WHERE THE PRODUCT WILL BE USED MUST BE CERTIFIED BY A PROFESSIONAL ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA FOR EACH SPECIFIC PROJECT.
- IT SHALL BE RESPONSIBILITY OF THE CONTRACTOR, ARCHITECT OR ENGINEER OF RECORD TO VERIFY:
  - THE STABILITY OF THE STRUCTURE WHERE THE PRODUCT IS TO BE INSTALLED TO ENSURE PROPER ANCHORAGE.
  - THE PROJECT DESIGN CRITERIA AND APPLICABLE CODES AND ORDINANCES
  - THE ADEQUACY AND APPLICABILITY OF THIS APPROVAL.
- ANCHORS SHALL BE AS LISTED ON SHEET 9 OF 16 AND SPACED AS INDICATED ON SHEETS 2, 3, 6 AND 7 OF 16. LISTED EMBEDMENT SHALL BE BEYOND EXTERIOR OR INTERIOR FINISH OF SUBSTRATES. A LOAD DURATION INCREASE HAS BEEN USED IN DESIGN OF ANCHORS INTO WOOD ONLY.
- ANCHORING OR LOADING CONDITIONS NOT SHOWN ON THESE DETAILS ARE NOT PART OF THIS APPROVAL DOCUMENT.
- ALUMINUM: ALL ALUMINUM EXTRUSIONS SHALL BE 6063-T6 ALLOY MINIMUM. PLEASE REFER TO SHEET 15 OF 16 FOR BILL OF MATERIALS.
- GLASS: THIS PRODUCT IS APPROVED TO BE GLAZED WITH THE FOLLOWING GLASS COMPOSITIONS:

GT-1. 11/16 " THK. LAMINATED GLASS: 5/16 " THK. HEAT STRENGTHENED + 0.090" SENTRYGLAS BY E.I. DUPONT DE NEMOURS CO., INC. + 5/16 " THK. HEAT STRENGTHENED

GT-2. 11/16 " THK. LAMINATED GLASS: 5/16 " THK. HEAT STRENGTHENED + 0.077" SAFLEX CP - SAFLEX AND SAFLEX HP WITH PET CORE BY EASTMAN CHEMICAL CO. + 5/16 " THK HEAT STRENGTHENED

APPROVAL USE INSTRUCTIONS

- DETERMINE APPLICABLE PROJECT WINDLOADS PER FBC APPROVED METHODS.
- VERIFY GLASS CAPACITY BASED ON DIMENSIONS AND APPLICABLE PRESSURES PER TABLE ON SHEET 4 OF 16.
- VERIFY MULLION CAPACITY BASED ON DIMENSIONS AND APPLICABLE PRESSURES PER TABLES ON SHEET 5 OF 16.
- DETERMINE REQUIRED FASTENERS FOR PROJECT DIMENSIONS, SUBSTRATES AND WINDLOAD REQUIREMENTS PER TABLES ON SHEETS 6 AND 7 OF 16.
- LOWEST PRESSURE FROM STEPS 2 THROUGH 4 ABOVE SHALL CONTROL THE ALLOWABLE PRESSURE FOR THE OPENING.

DRAWINGS INDEX

SHEET	TITLE	REV	DATE
1	COVER SHEET	2	9/3/2014
2	TYPICAL ELEVATION	2	9/3/2014
3	GLAZING DETAILS / ANCHOR LAYOUTS	1	7/24/2014
4	GLASS CAPACITY CHARTS	2	9/3/2014
5	MULLION CAPACITY CHART	1	7/24/2014
6	ANCHOR CAPACITY CHARTS	1	7/24/2014
7	ANCHOR CAPACITY CHARTS	2	9/3/2014
8	TYPICAL DETAILS	2	9/3/2014
9	TYPICAL DETAILS / ANCHOR SCHEDULE	2	9/3/2014
10	TYPICAL DETAILS	2	9/3/2014
11	TYPICAL DETAILS	2	9/3/2014
12	TYPICAL DETAILS	2	9/3/2014
13	TYPICAL DETAILS	2	9/3/2014
14	EXTRUSION DIMENSIONS	1	7/24/2014
15	BILL OF MATERIALS	1	7/24/2014
16	ISOMETRIC DRAWING	2	9/3/2014

GLOBAL  
PERFORMANCE  
WINDOWS, INC

D.B.A. EPSYLON, USA

2115 S.W. 2ND STREET  
POMPANO BEACH, FL 33069  
PH: 954.942.3322  
FAX: 954.942.3215  
www.epsylon.ca

PROJECT NAME

ALUMINUM WINDOW WALL  
SERIES WW4SG  
LARGE MISSILE IMPACT

SHEET TITLE

COVER SHEET

SCALE: N.T.S.

PREPARED BY:  
FECC

DRAWN BY:  
O.C.

ISSUE DATE:  
5/28/14

REVIEWED BY:  
M.M.

DRAWING REVISION LOG

No.	Date:	Revision:
1	7/24/2014	PER MDC COMMENTS
2	9/03/2014	PER MDC COMMENTS

ENGINEER:

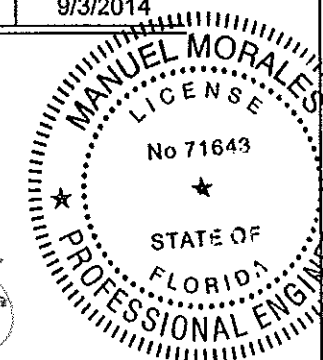
FACADE AND ENVELOPE  
ENGINEERING CONSULTANTS, LLC  
CA# 30168  
8950 SW 74th Court  
22nd Floor Suite A-31  
Miami, FL 33156 | (786) 592-0181

SIGNED AND SEALED DRAWINGS  
CHECKED FOR STRUCTURAL  
COMPLIANCE ONLY BY:

FACADE AND ENVELOPE  
ENGINEERING CONSULTANTS, LLC

Approved as complying with the  
Florida Building Code  
Date: Sept 11, 2014  
NOAH 14-10402.03  
Manual Code Product Control

By: Manuel Morales



SEP 03 2014

MANUEL MORALES, P.E.  
FL. REG. # 71643

DWG No.

EUSA MDC-003

SHEET 1 OF 16



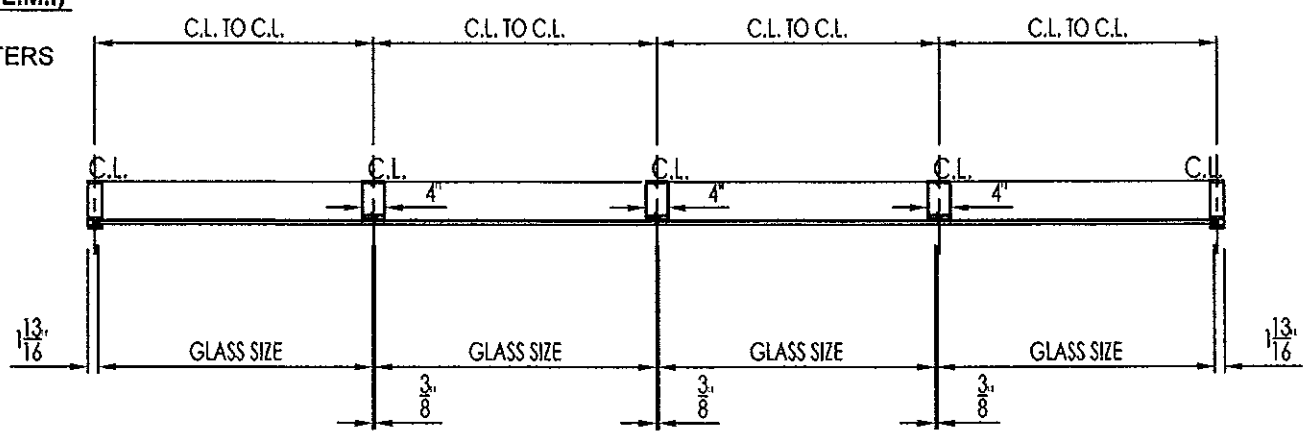
EPSYLON - WW 4SG LAMINATED WINDOW WALL SYSTEMS (L.M.I)

MIAMI-DADE COUNTY APPROVED IMPACT RESISTANT SHUTTERS ARE NOT REQUIRED FOR INSTALLATIONS AT 30'-0" AND GREATER ABOVE GRADE.

GENERAL NOTES:

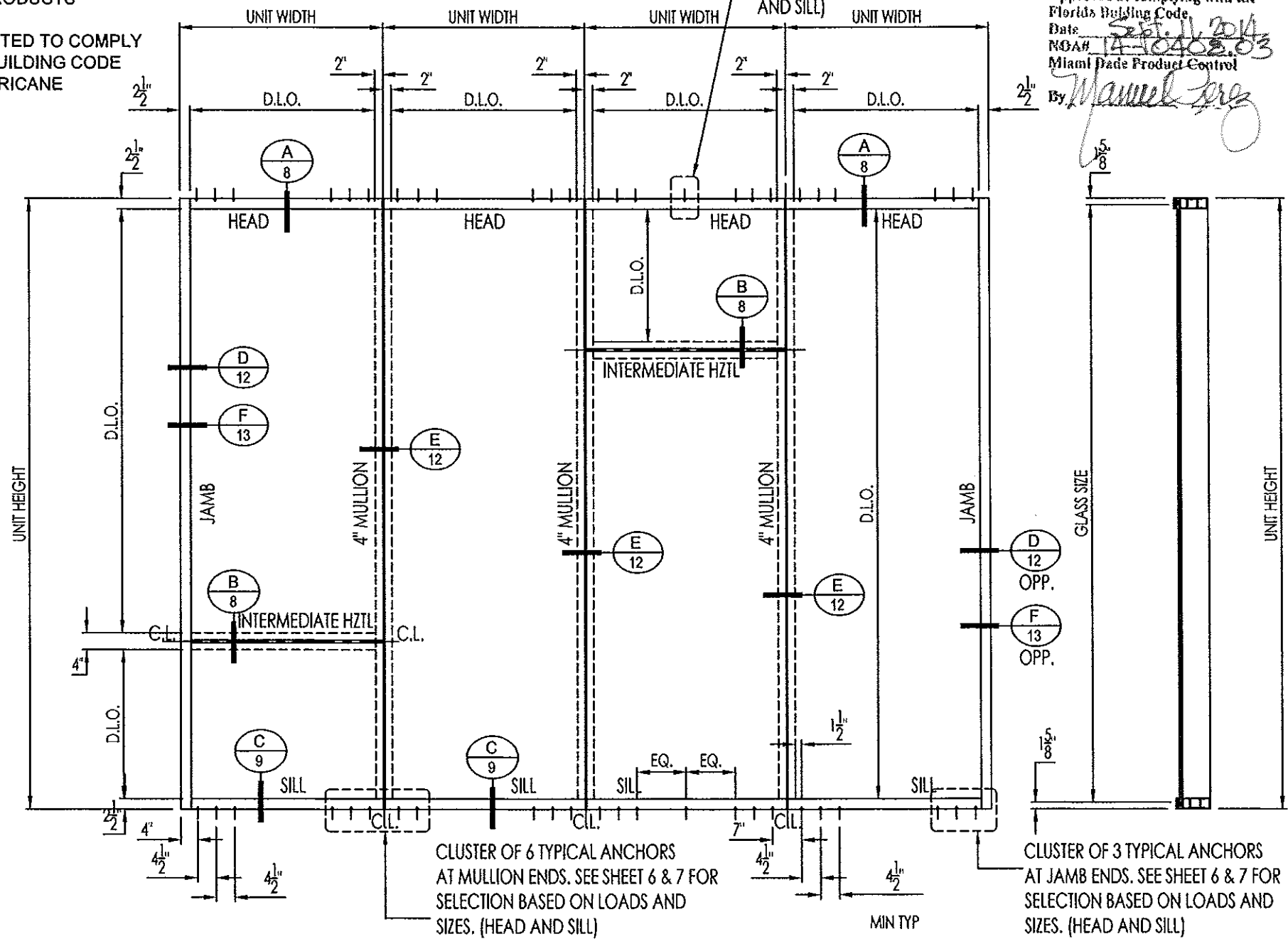
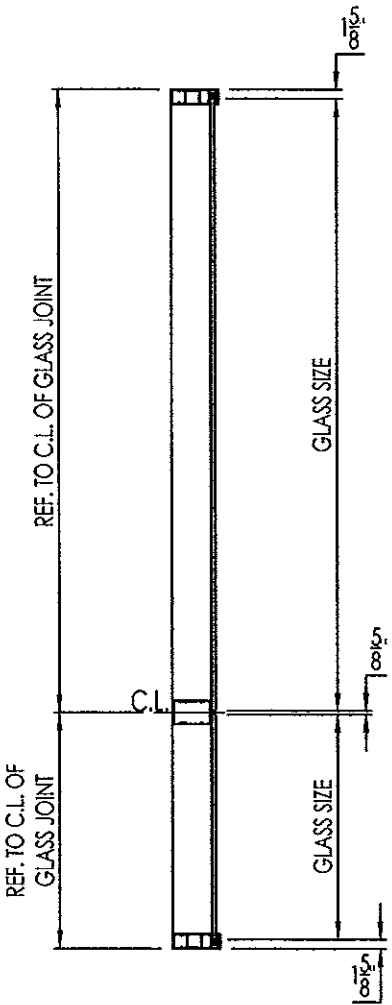
- IMPACT RATE: LARGE MISSILE IMPACT
- DESIGN PRESSURE: + 160 / - 160 PSF
- GLASS: (SEE GLASS DESCRIPTION ON PAGE 1): GT-1 OR GT-2
- GLASS BITE: SEE DETAILS
- JAMBS: 2 1/2" JAMBS
- MULLION: 4" MULLION
- ALUMINUM ALLOY: 6063-T6
- REINFORCEMENT: AT DOOR JAMBS ONLY
- CONCRETE APPLICATION: 3000 PSI MIN.
- REFER TO BILL OF MATERIAL ON PAGE 15 OF 16 FOR COMPLETE DESCRIPTION FOR ALL PRODUCTS

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2010 EDITION INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ)



(1) TYPICAL ANCHOR AT MIDSPAN BETWEEN MULLION CLUSTERS WHERE REQUIRED. SEE SHEET 6 & 7 FOR APPLICABILITY (HEAD AND SILL)

Approved as complying with the Florida Building Code  
Date: 5/28/14  
NOA# 1A-10408.03  
Miami Dade Product Control  
By: Manuel Moya



CLUSTER OF 6 TYPICAL ANCHORS AT MULLION ENDS. SEE SHEET 6 & 7 FOR SELECTION BASED ON LOADS AND SIZES. (HEAD AND SILL)

CLUSTER OF 3 TYPICAL ANCHORS AT JAMB ENDS. SEE SHEET 6 & 7 FOR SELECTION BASED ON LOADS AND SIZES. (HEAD AND SILL)

GLOBAL  
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PROJECT NAME  
ALUMINUM WINDOW WALL  
SERIES WW4SG  
LARGE MISSILE IMPACT

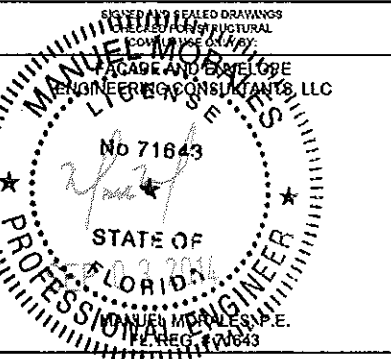
SHEET TITLE  
TYPICAL ELEVATIONS

SCALE: 3/8" = 1'-0"

PREPARED BY: FECC  
DRAWN BY: O.C.  
ISSUE DATE: 5/28/14  
REVIEWED BY: M.M.

DRAWING REVISION LOG		
No.	Date:	Revision:
1	7/24/2014	PER MDC COMMENTS
2	9/03/2014	PER MDC COMMENTS

ENGINEER:  
FACADE AND ENVELOPE  
ENGINEERING CONSULTANTS, LLC  
CA# 30168  
8950 SW 74th Court  
22nd Floor Suite A-31  
Miami, FL 33156 | (786) 592-0181



DWG No.  
EUSA MDC-003  
SHEET 2 OF 16



D.B.A. EPSYLON, USA

PROJECT NAME
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SHEET TITLE								
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## TYPICAL ANCHOR LAYOUTS

SCALE: AS SHOWN

DRAWN BY: O.C.

REVIEWED BY: M.M.

### DRAWING REVISION LOG

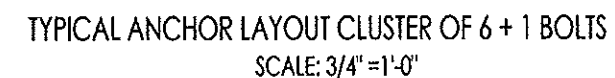
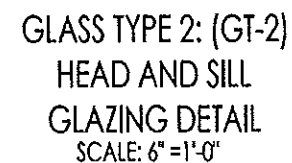
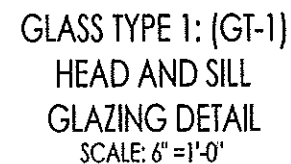
ENGINEER:

SIGNED AND SEALED DRAWINGS  
CHECKED FOR STRUCTURAL  
COMPLIANCE ONLY BY:

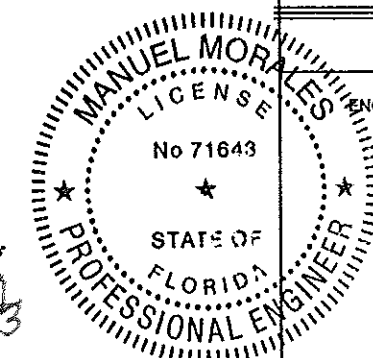
MANUEL MORALES, P.E.  
FL. REG. # 71643

DWG No.

SHEET 3 OF 16

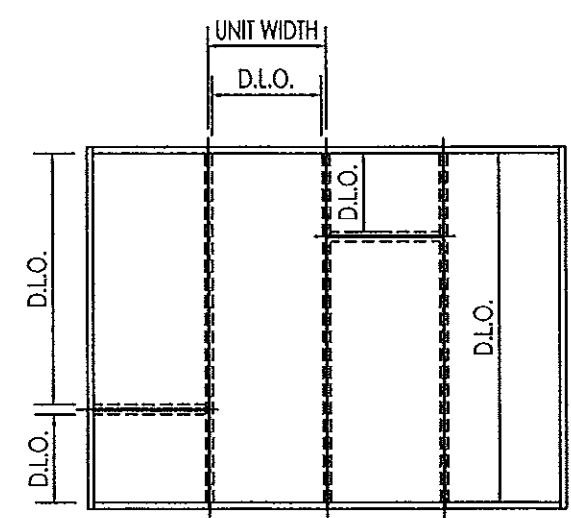
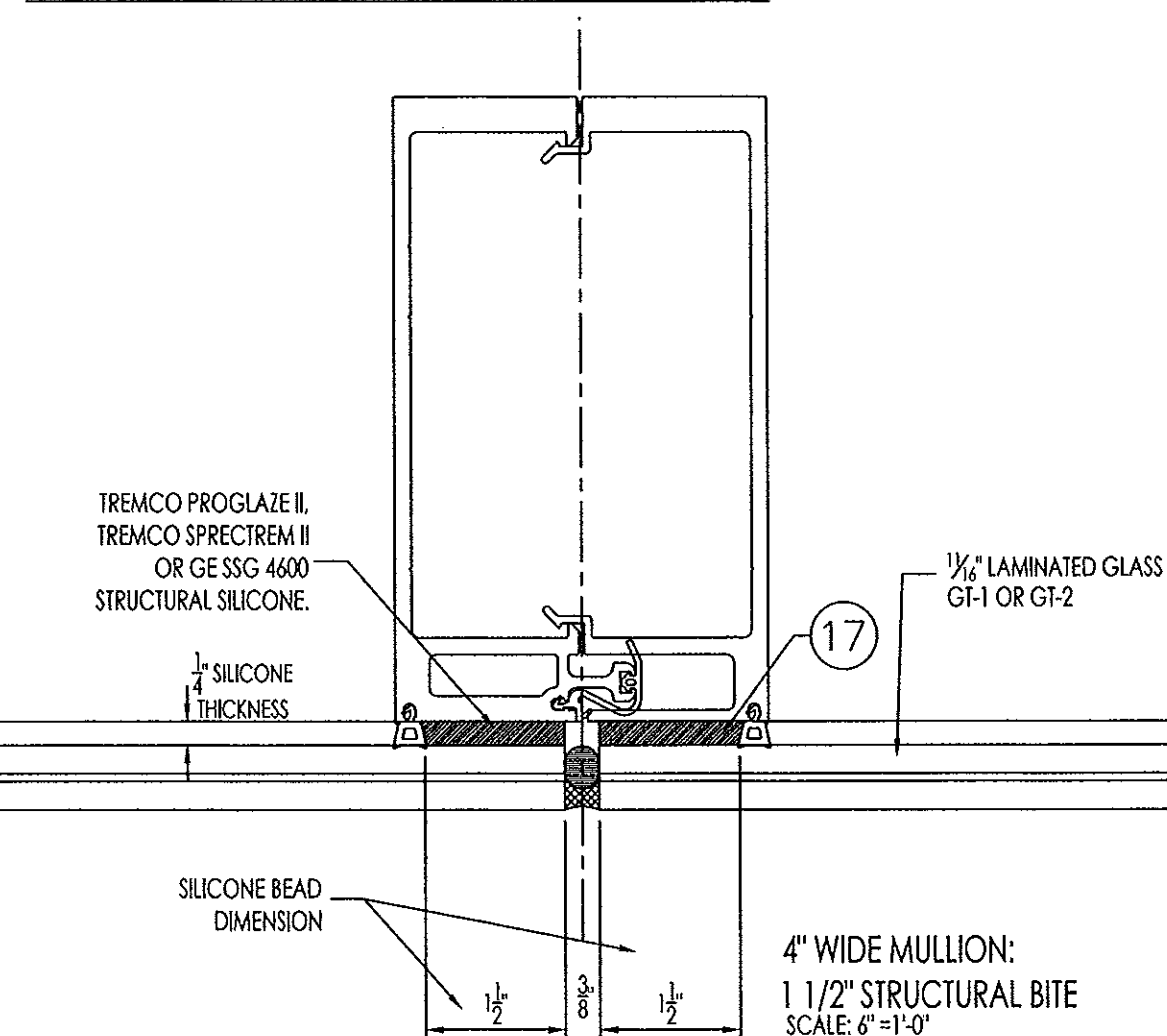


Approved as complying with the  
Florida Building Code  
Date Sept. 11, 2014  
NOAH# 14-10408-03  
Miami Dade Product Control





GLASS BITE (in) AND GLASS LOAD CAPACITY (PSF)  
WITH OR WITHOUT INTERMEDIATE HORIZONTAL



GLASS CAPACITIES BASED ON ASTM E1300-09  
WITH 3 SEC GUSTS, LIMITED TO MAXIMUM  
CYCLIC TEST PRESSURE

Approved as complying with the  
Florida Bldg Code  
Date: Sept 11, 2014  
NOAH 10/02/03  
Miami Dade Product Control  
By: Manuel Perez

Glass Capacity Chart GT-1			
DLO Width (in)	DLO Height (in)	Pos (PSF)	Neg (PSF)
32	79	160.0	-160.0
38	79	160.0	-160.0
44	79	160.0	-160.0
50	79	160.0	-160.0
32	85	160.0	-160.0
38	85	160.0	-160.0
44	85	160.0	-160.0
50	85	160.0	-160.0
32	91	160.0	-160.0
38	91	160.0	-160.0
44	91	160.0	-160.0
50	91	160.0	-160.0
32	97	160.0	-160.0
38	97	160.0	-160.0
44	97	160.0	-160.0
50	97	160.0	-160.0
32	103	160.0	-160.0
38	103	160.0	-160.0
44	103	160.0	-160.0
50	103	160.0	-160.0
32	109	160.0	-160.0
38	109	160.0	-160.0
44	109	160.0	-160.0
50	109	160.0	-160.0
32	115	160.0	-160.0
38	115	160.0	-160.0
44	115	160.0	-160.0
50	115	160.0	-160.0
32	121	160.0	-160.0
38	121	160.0	-160.0
44	121	160.0	-160.0
32	127	160.0	-160.0
38	127	160.0	-160.0
44	127	160.0	-160.0

Glass Capacity Chart GT-2			
DLO Width (in)	DLO Height (in)	Pos (PSF)	Neg (PSF)
32	79	110.0	-160.0
38	79	110.0	-160.0
44	79	110.0	-160.0
50	79	110.0	-160.0
32	85	110.0	-160.0
38	85	110.0	-160.0
44	85	110.0	-160.0
50	85	110.0	-160.0
32	91	110.0	-160.0
38	91	110.0	-160.0
44	91	110.0	-160.0
50	91	110.0	-160.0
32	97	110.0	-160.0
38	97	110.0	-160.0
44	97	110.0	-160.0
50	97	110.0	-160.0
32	103	110.0	-160.0
38	103	110.0	-160.0
44	103	110.0	-160.0
50	103	110.0	-160.0
32	109	110.0	-160.0
38	109	110.0	-160.0
44	109	110.0	-160.0
50	109	110.0	-160.0
32	115	110.0	-160.0
38	115	110.0	-160.0
44	115	110.0	-160.0
50	115	110.0	-160.0
32	121	110.0	-160.0
38	121	110.0	-160.0
44	121	110.0	-160.0
32	127	110.0	-160.0
38	127	110.0	-160.0
44	127	110.0	-160.0

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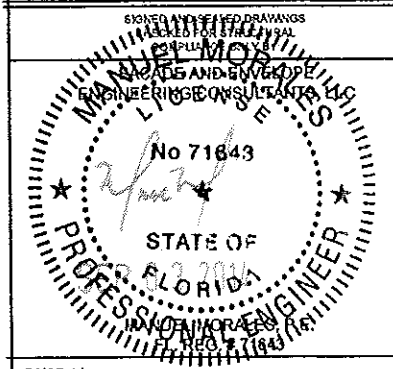
PROJECT NAME  
ALUMINUM WINDOW WALL  
SERIES WW4SG  
LARGE MISSILE IMPACT

SHEET TITLE  
GLASS CAPACITY  
CHART

SCALE: N.T.S.  
PREPARED BY: FECC  
ISSUE DATE: 5/28/14  
DRAWN BY: O.C.  
REVIEWED BY: M.M.

DRAWING REVISION LOG		
No.	Date:	Revision:
1	7/24/2014	PER MDC COMMENTS
2	9/03/2014	PER MDC COMMENTS

ENGINEER:  
FACADE AND ENVELOPE  
ENGINEERING CONSULTANTS, LLC  
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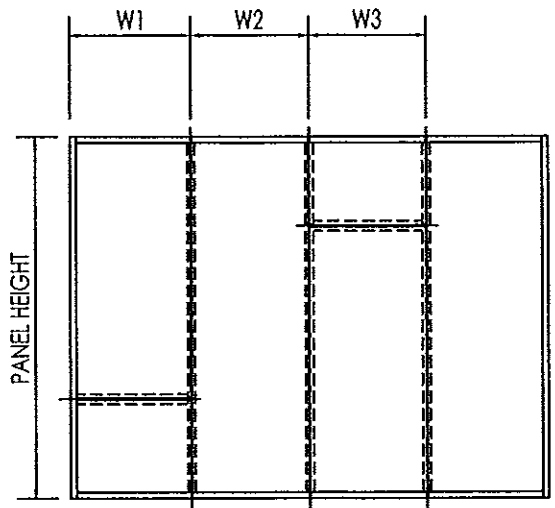


DWG No.  
EUSA MDC-003  
SHEET 4 OF 16

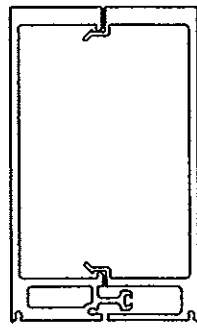


MULLION DESIGN LOAD CAPACITY (PSF)  
WITH OR WITHOUT INTERMEDIATE HORIZONTAL

Allowable Mullion Pressures for LMI			
Panel Dimensions (in)		Pd Allowable	
Width (W)	Height	POS (PSF)	NEG (PSF)
36	96	160.0	-160.0
42	96	160.0	-160.0
48	96	160.0	-160.0
54	96	160.0	-160.0
36	102	160.0	-160.0
42	102	160.0	-160.0
48	102	160.0	-160.0
54	102	160.0	-160.0
36	108	160.0	-160.0
42	108	160.0	-160.0
48	108	160.0	-160.0
54	108	160.0	-160.0
36	114	160.0	-160.0
42	114	160.0	-160.0
48	114	160.0	-160.0
54	114	160.0	-160.0
36	120	160.0	-160.0
42	120	160.0	-160.0
48	120	160.0	-160.0
54	120	160.0	-160.0
36	126	160.0	-160.0
42	126	160.0	-160.0
48	126	160.0	-160.0
54	126	155.2	-155.2
36	132	160.0	-160.0
42	132	160.0	-160.0
48	132	160.0	-160.0
54	132	143.9	-143.9



NOMINAL WIDTHS:  
AT JAMBS W = W1      AT MULLIONS  $W = \frac{W2 + W3}{2}$



4" WIDE MULLION

GLOBAL  
PERFORMANCE  
WINDOWS, INC  
D.B.A. EPSYLON, USA

2115 S.W. 2ND STREET  
POMPANO BEACH, FL 33069  
PH: 954.942.3322  
FAX: 954.942.3215  
www.epsylon.ca

PROJECT NAME  
ALUMINUM WINDOW WALL  
SERIES WW4SG  
LARGE MISSILE IMPACT

SHEET TITLE  
MULLION CAPACITY  
CHARTS

SCALE: N.T.S.  
PREPARED BY: FECC  
DRAWN BY: O.C.  
ISSUE DATE: 5/28/14  
REVIEWED BY: M.M.

DRAWING REVISION LOG		
No.	Date:	Revision:
1	7/24/2014	PER MDC COMMENTS
2	9/03/2014	PER MDC COMMENTS

ENGINEER:  
FACADE AND ENVELOPE  
ENGINEERING CONSULTANTS, LLC  
CA# 30168  
8950 SW 74th Court  
22nd Floor Suite A-31  
Miami, FL 33156 | (786) 592-0181

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SEP 03 2014  
MANUEL MORALES, P.E.  
FL. REG. # 71643

DWG No.  
EUSA MDC-003  
SHEET 5 OF 16

Approved as complying with the  
Florida Building Code  
Date: Sept 11, 2014  
NOAH  
Miami Made Product Control  
By: Manuel Torres

MANUEL MORALES  
LICENSE  
No 71643  
STATE OF  
FLORIDA  
PROFESSIONAL ENGINEER



# ANCHOR DESIGN LOAD CAPACITY (PSF)

Allowable pressures based on fasteners cluster at Head and Sill											
Panel Dimensions (in)		3/8" max shim gap									
Width	Height	Type A		Type B		Type C		Type D		Type E	
		6 bolts		6 bolts		6 bolts		6 bolts		6 bolts	
		Pos +	Neg -	Pos +	Neg -	Pos +	Neg -	Pos +	Neg -	Pos +	Neg -
36	96	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0
42	96	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0
48	96	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0
* 54	96	160.0	160.0	160.0	160.0	154.3	154.3	160.0	160.0	160.0	160.0
36	102	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0
42	102	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0
48	102	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0
* 54	102	160.0	160.0	160.0	160.0	145.2	145.2	160.0	160.0	160.0	160.0
36	108	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0
42	108	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0
48	108	160.0	160.0	160.0	160.0	154.3	154.3	160.0	160.0	160.0	160.0
* 54	108	160.0	160.0	160.0	160.0	137.1	137.1	160.0	160.0	160.0	160.0
36	114	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0
42	114	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0
48	114	160.0	160.0	160.0	160.0	146.2	146.2	160.0	160.0	160.0	160.0
* 54	114	160.0	160.0	157.2	157.2	129.9	129.9	160.0	160.0	157.2	157.2
36	120	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0
42	120	160.0	160.0	160.0	160.0	158.7	158.7	160.0	160.0	160.0	160.0
48	120	160.0	160.0	160.0	160.0	138.9	138.9	160.0	160.0	160.0	160.0
* 54	120	160.0	160.0	149.4	149.4	123.4	123.4	160.0	160.0	149.4	149.4
36	126	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0
42	126	160.0	160.0	160.0	160.0	151.1	151.1	160.0	160.0	160.0	160.0
48	126	160.0	160.0	160.0	160.0	132.3	132.3	160.0	160.0	160.0	160.0
* 54	126	160.0	160.0	142.3	142.3	117.6	117.6	160.0	160.0	142.3	142.3
36	132	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0
42	132	160.0	160.0	160.0	160.0	144.3	144.3	160.0	160.0	160.0	160.0
48	132	160.0	160.0	152.8	152.8	126.2	126.2	160.0	160.0	152.8	152.8
* 54	132	140.0	160.0	135.8	135.8	112.2	112.2	160.0	160.0	135.8	135.8

\* FOR PANELS WIDER THAN 48", INSTALL ONE (1) ADDITIONAL TYPICAL ANCHOR AT CENTER OF PANEL AT HEAD AND SILL.

GLOBAL  
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D.B.A. EPSYLON, USA

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FAX: 954.942.3215  
www.epsylon.ca

PROJECT NAME

ALUMINUM WINDOW WALL  
SERIES WW4SG  
LARGE MISSILE IMPACT

SHEET TITLE

ANCHOR CAPACITY  
CHARTS

SCALE: N.T.S.

PREPARED BY:  
FECC

DRAWN BY:  
O.C.

ISSUE DATE:  
5/28/14

REVIEWED BY:  
M.M.

DRAWING REVISION LOG

No.	Date:	Revision:
△	7/24/2014	PER MDC COMMENTS
△	9/03/2014	PER MDC COMMENTS

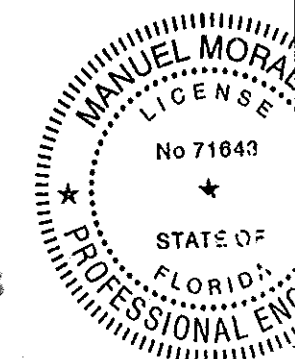
ENGINEER:

FACADE AND ENVELOPE  
ENGINEERING CONSULTANTS, LLC  
CA# 30168  
8950 SW 74th Court  
22nd Floor Suite A-31  
Miami, FL 33156 | (786) 592-0181

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Approved as complying with the  
Florida Building Code  
Date Sept 16, 2014  
NOAH 14-16468-03  
Miami Dade Product Control  
By Manuel



SEP 03 2014

MANUEL MORALES, P.E.  
FL. REG. # 71643

DWG No.

EUSA MDC-003

SHEET 6 OF 16



# ANCHOR DESIGN LOAD CAPACITY (PSF)

Allowable pressures based on fasteners cluster at Head and Sill											
Panel Dimensions (in)		1/2" max shim gap									
Width	Height	Type A		Type B		Type C		Type D		Type E	
		6 bolts		6 bolts		6 bolts		6 bolts		6 bolts	
		Pos +	Neg -	Pos +	Neg -	Pos +	Neg -	Pos +	Neg -	Pos +	Neg -
36	96	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0
42	96	160.0	160.0	160.0	160.0	159.8	159.8	160.0	160.0	160.0	160.0
48	96	160.0	160.0	160.0	160.0	139.8	139.8	160.0	160.0	160.0	160.0
* 54	96	160.0	160.0	151.0	151.0	124.3	124.3	160.0	160.0	151.0	151.0
36	102	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0
42	102	160.0	160.0	160.0	160.0	150.4	150.4	160.0	160.0	160.0	160.0
48	102	160.0	160.0	159.9	159.9	131.6	131.6	160.0	160.0	159.9	159.9
* 54	102	160.0	160.0	142.1	142.1	117.0	117.0	160.0	160.0	142.1	142.1
36	108	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0
42	108	160.0	160.0	160.0	160.0	142.1	142.1	160.0	160.0	160.0	160.0
48	108	160.0	160.0	151.0	151.0	124.3	124.3	160.0	160.0	151.0	151.0
* 54	108	160.0	160.0	134.2	134.2	110.5	110.5	160.0	160.0	134.2	134.2
36	114	160.0	160.0	160.0	160.0	157.0	157.0	160.0	160.0	160.0	160.0
42	114	160.0	160.0	160.0	160.0	134.6	134.6	160.0	160.0	160.0	160.0
48	114	160.0	160.0	143.1	143.1	117.8	117.8	160.0	160.0	143.1	143.1
* 54	114	160.0	160.0	127.2	127.2	104.7	104.7	160.0	160.0	127.2	127.2
36	120	160.0	160.0	160.0	160.0	149.2	149.2	160.0	160.0	160.0	160.0
42	120	160.0	160.0	155.3	155.3	127.8	127.8	160.0	160.0	155.3	155.3
48	120	160.0	160.0	135.9	135.9	111.9	111.9	160.0	160.0	135.9	135.9
* 54	120	160.0	160.0	120.8	120.8	99.4	99.4	160.0	160.0	120.8	120.8
36	126	160.0	160.0	160.0	160.0	142.1	142.1	160.0	160.0	160.0	160.0
42	126	160.0	160.0	147.9	147.9	121.8	121.8	160.0	160.0	147.9	147.9
48	126	160.0	160.0	129.4	129.4	106.5	106.5	160.0	160.0	129.4	129.4
* 54	126	153.0	153.0	115.0	115.0	94.7	94.7	160.0	160.0	115.0	115.0
36	132	160.0	160.0	160.0	160.0	135.6	135.6	160.0	160.0	160.0	160.0
42	132	160.0	160.0	141.2	141.2	116.2	116.2	160.0	160.0	141.2	141.2
48	132	160.0	160.0	123.5	123.5	101.7	101.7	160.0	160.0	123.5	123.5
* 54	132	146.0	146.0	109.8	109.8	90.4	90.4	160.0	160.0	109.8	109.8

\* FOR PANELS WIDER THAN 48", INSTALL ONE (1) ADDITIONAL TYPICAL ANCHOR AT CENTER OF PANEL AT HEAD AND SILL.

GLOBAL  
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WINDOWS, INC  
D.B.A. EPSYLON, USA

2115 S.W. 2ND STREET  
POMPANO BEACH, FL 33069  
PH: 954.942.3322  
FAX: 954.942.3215  
www.epsylon.ca

PROJECT NAME

ALUMINUM WINDOW WALL  
SERIES WW4SG  
LARGE MISSILE IMPACT

SHEET TITLE

ANCHOR CAPACITY  
CHARTS

SCALE: N.T.S.

PREPARED BY:  
FECC

DRAWN BY:  
O.C.

ISSUE DATE:  
5/28/14

REVIEWED BY:  
M.M.

DRAWING REVISION LOG

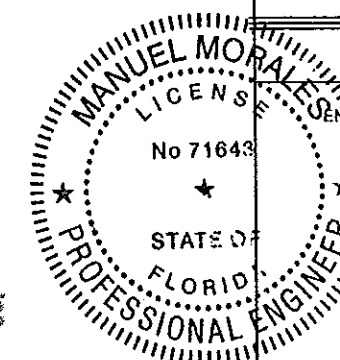
No.	Date:	Revision:
△	7/24/2014	PER MDC COMMENTS
△	9/03/2014	PER MDC COMMENTS

ENGINEER:

FACADE AND ENVELOPE  
ENGINEERING CONSULTANTS, LLC  
CA# 30168  
8950 SW 74th Court  
22nd Floor Suite A-31  
Miami, FL 33156 | (786) 592-0181

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ENGINEERING CONSULTANTS, LLC



Approved as complying with the  
Florida Building Code  
Date SEP 03 2014  
NOAH 7416403-03  
Miami Dade Product Control  
By Manuel Morales

MANUEL MORALES, P.E.  
FL. REG. # 71643

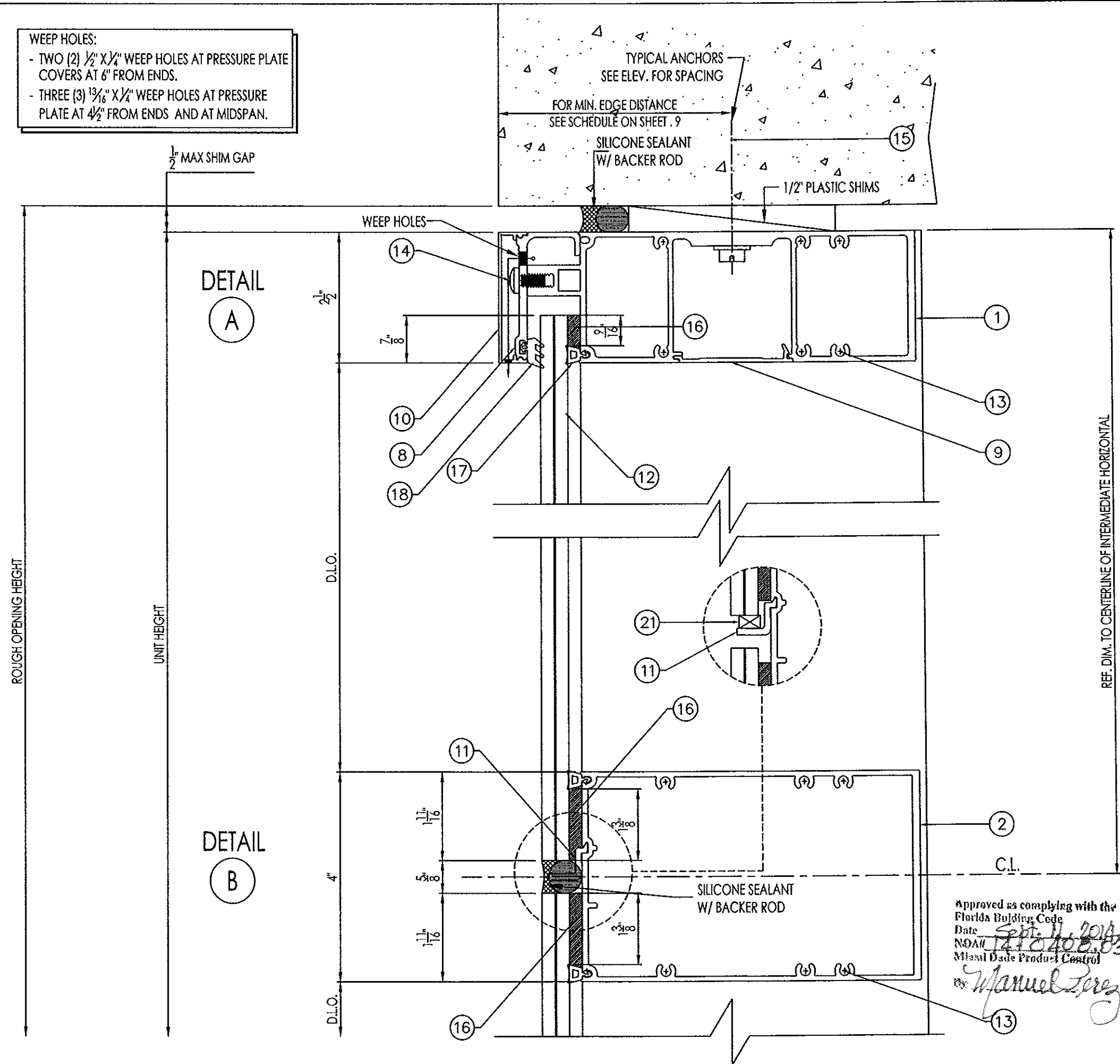
DWG No.

EUSA MDC-003

SHEET 7 OF 16



- WEEP HOLES:
- TWO (2) 1/2" X 1/4" WEEP HOLES AT PRESSURE PLATE COVERS AT 6" FROM ENDS.
  - THREE (3) 13/16" X 1/4" WEEP HOLES AT PRESSURE PLATE AT 1/2" FROM ENDS AND AT MIDSPAN.



**GLOBAL  
PERFORMANCE  
WINDOWS, INC**  
D.B.A. EPSILON, USA

2115 S.W. 2ND STREET  
POMPANO BEACH, FL 33069  
PH: 954.942.3322  
FAX: 954.942.3215  
www.epsilon.ca

PROJECT NAME  
**ALUMINUM WINDOW WALL  
SERIES WW4SG  
LARGE MISSILE IMPACT**

SHEET TITLE  
**TYPICAL DETAILS**

SCALE: 1/4" = 1'-0"

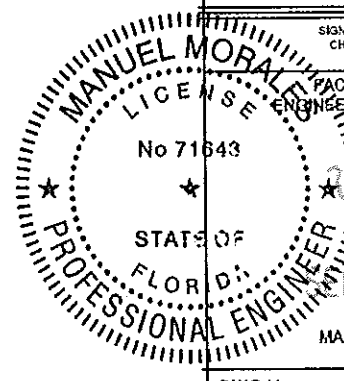
PREPARED BY: FEEC	DRAWN BY: O.C.
ISSUE DATE: 5/28/14	REVIEWED BY: M.M.

DRAWING REVISION LOG		
No.	Date:	Revision:
1	7/24/2014	PER MDC COMMENTS
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ENGINEER:  
**FACADE AND ENVELOPE  
ENGINEERING CONSULTANTS, LLC**  
CA# 30168  
8950 SW 74th Court  
22nd Floor Suite A-31  
Miami, FL 33156 | (786) 592-0181

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ENGINEERING CONSULTANTS, LLC**

Approved as complying with the  
Florida Building Code  
Date: Sept 11, 2014  
NOAH 1218408.03  
Miami Dade Product Control  
By: Manuel Perez

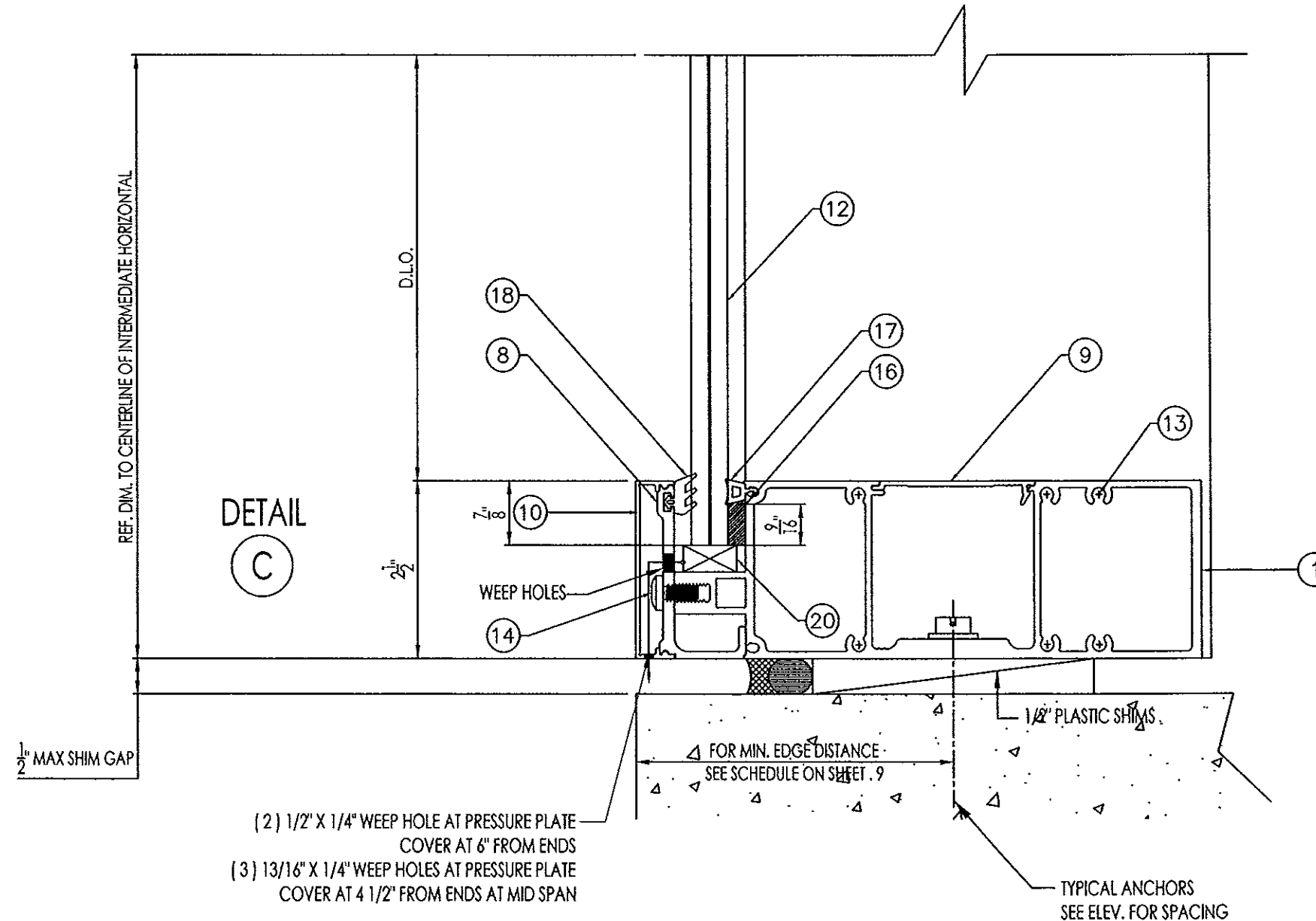


DWG No.  
**EUSA MDC-003**  
SHEET 8 OF 16



**WEEP HOLES:**

- TWO (2) 1/2" X 1/4" WEEP HOLES AT PRESSURE PLATE COVERS AT 6" FROM ENDS.
- THREE (3) 13/16" X 1/4" WEEP HOLES AT PRESSURE PLATE AT 4 1/2" FROM ENDS AND AT MIDSPAN.



**TYPICAL ANCHOR TYPES:**

A: 3/8" DIA. POWERS WEDGE BOLT WITH 3" EMBEDMENT, 4 1/2" MINIMUM SPACING AND 4 1/2" EDGE DISTANCE INTO 3000 PSI MIN CONCRETE

B: 3/8" DIA. POWERS WEDGE BOLT THROUGH UP TO 2X WOOD BUCK WITH 3" EMBEDMENT, 4 1/2" MINIMUM SPACING AND 4 1/2" EDGE DISTANCE INTO 3000 PSI MIN CONCRETE

C: 3/8" DIA. GRADE 5 MACHINE SCREW INTO METAL STRUCTURE (STEEL (FY = 36 KSI) OR ALUMINUM (FY = 25 KSI) MINIMUM 1/8" THICK)

D: 1/2" DIA. GRADE 5 MACHINE SCREW INTO METAL STRUCTURE (STEEL (FY = 36 KSI) OR ALUMINUM (FY = 25 KSI) MINIMUM 1/8" THICK)

E: 3/8" DIA. GRADE 5 LAG BOLT WITH 3" EMBEDMENT INTO WOOD STRUCTURE AND 2" MIN EDGE DISTANCE

**ADDITIONAL SEALANT:**

SILICONE SEALANT AT ALL FRAME CORNERS.

**GLOBAL PERFORMANCE WINDOWS, INC**  
D.B.A. EPSYLON, USA

2115 S.W. 2ND STREET  
POMPANO BEACH, FL 33069  
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FAX: 954.942.3215  
www.epsylon.ca

**PROJECT NAME**

ALUMINUM WINDOW WALL  
SERIES WW4SG  
LARGE MISSILE IMPACT

**SHEET TITLE**

TYPICAL DETAILS

SCALE: 6" = 1'-0"

PREPARED BY: FEEC	DRAWN BY: O.C.
ISSUE DATE: 5/28/14	REVIEWED BY: M.M.

**DRAWING REVISION LOG**

No.	Date:	Revision:
1	7/24/2014	PER MDC COMMENTS
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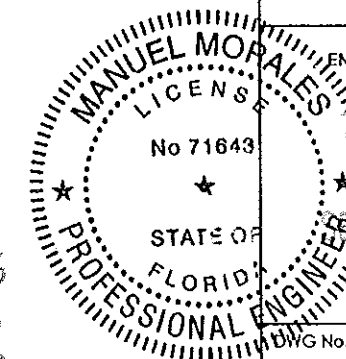
**ENGINEER:**

**FACADE AND ENVELOPE  
ENGINEERING CONSULTANTS, LLC**  
CA# 30168  
8950 SW 74th Court  
22nd Floor Suite A-31  
Miami, FL 33156 | (786) 592-0181

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Approved as complying with the  
Florida Building Code  
Date: 5/28/2014  
NOAH: 1406408-03  
Manual Date Product Control

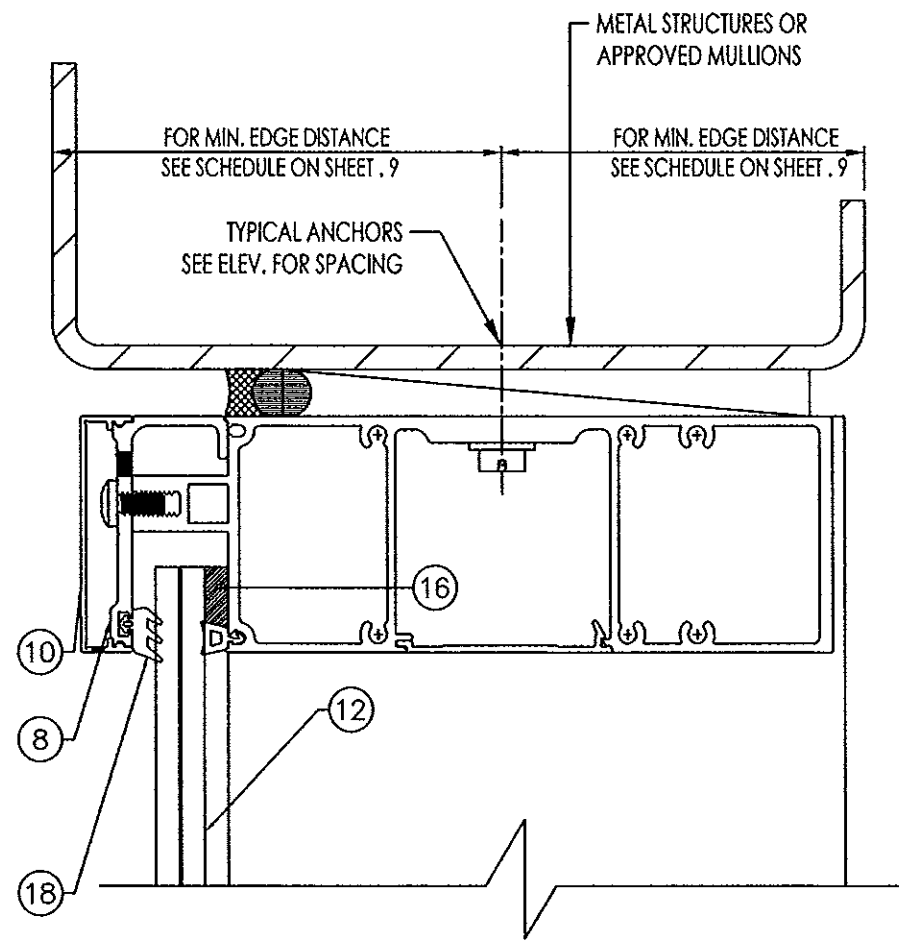


MANUEL MORALES, P.E.  
FL. REG. # 71643

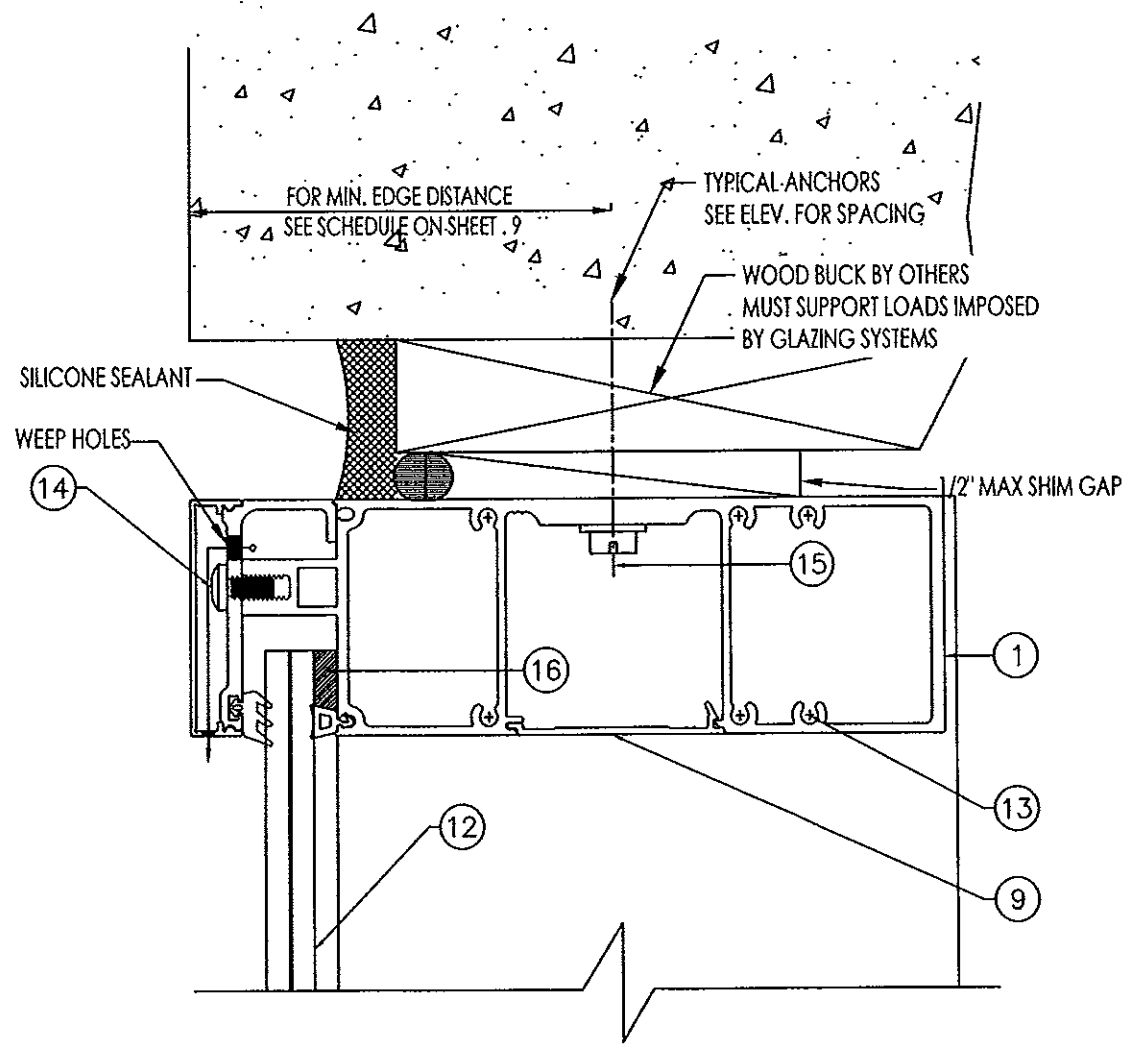
DWG No. EUSA MDC-003



METAL STRUCTURES NOT BY EPSYLON, USA MUST SUPPORT THE LOADS IMPOSED BY THE GLAZING SYSTEM AND TRANSFER THEM TO THE SUPPORTING STRUCTURE.

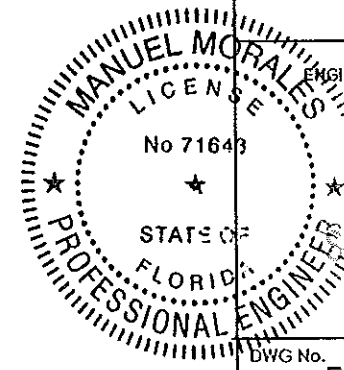


DETAIL  
A.1 (HEAD ALTERNATE)



DETAIL  
A.2 (HEAD ALTERNATE)

Approved as complying with the  
Florida Building Code  
Date Sept 11, 2014  
NOA# 1210408.03  
Miami Dade Product Control  
By Manuel Jerez



GLOBAL  
PERFORMANCE  
WINDOWS, INC  
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PROJECT NAME  
ALUMINUM WINDOW WALL  
SERIES WW4SG  
LARGE MISSILE IMPACT

SHEET TITLE  
TYPICAL DETAILS

SCALE: 6" = 1'-0"

PREPARED BY: FEEC	DRAWN BY: O.C.
ISSUE DATE: 5/28/14	REVIEWED BY: M.M.

DRAWING REVISION LOG		
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MANUEL MORALES, P.E.  
FL. REG. # 71643  
DWG No. EUSA MDC-003  
SEP 03 2014



GLOBAL  
PERFORMANCE  
WINDOWS, INC  
D.B.A. EPSYLON, USA

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PROJECT NAME

ALUMINUM WINDOW WALL  
SERIES WW4SG  
LARGE MISSILE IMPACT

SHEET TITLE

TYPICAL DETAILS

SCALE: 6"=1'-0"

PREPARED BY: FECC	DRAWN BY: O.C.
ISSUE DATE: 5/28/14	REVIEWED BY: M.M.

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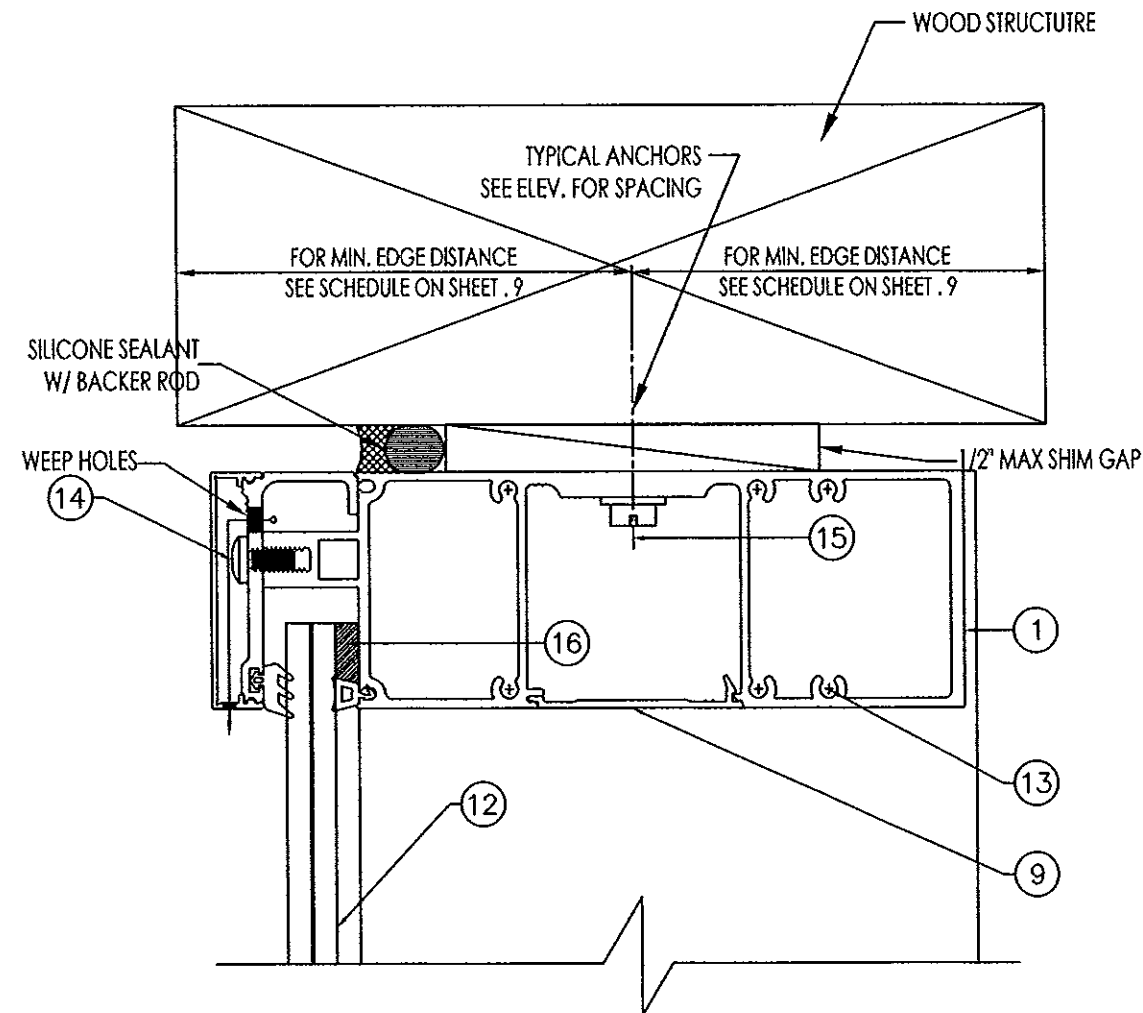
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ENGINEERING CONSULTANTS, LLC

MANUEL MORALES, P.E.  
FL. REG. # 71643

DWG No.

EUSA MDC-003

SHEET 11 OF 16

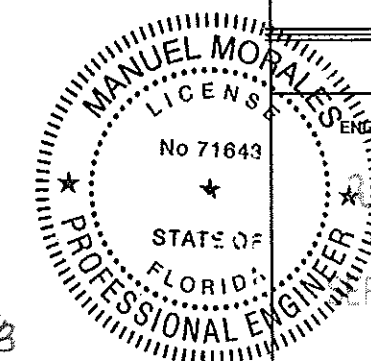


DETAIL

A.3 (HEAD ALTERNATE)

Approved as complying with the  
Florida Building Code  
Date: Sept 11, 2014  
NOAH: 14-0408.03  
Miami Dade Product Control

By: Manuel Perez





GLOBAL  
PERFORMANCE  
WINDOWS, INC  
D.B.A. EPSYLON, USA

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PROJECT NAME  
ALUMINUM WINDOW WALL  
SERIES WW4SG  
LARGE MISSILE IMPACT

SHEET TITLE  
TYPICAL DETAILS

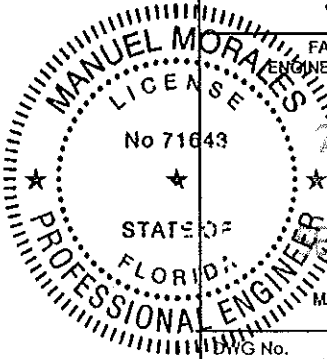
SCALE: 6"=1'-0"

PREPARED BY: FECC	DRAWN BY: O.C.
ISSUE DATE: 5/28/14	REVIEWED BY: M.M.

DRAWING REVISION LOG		
No.	Date:	Revision:
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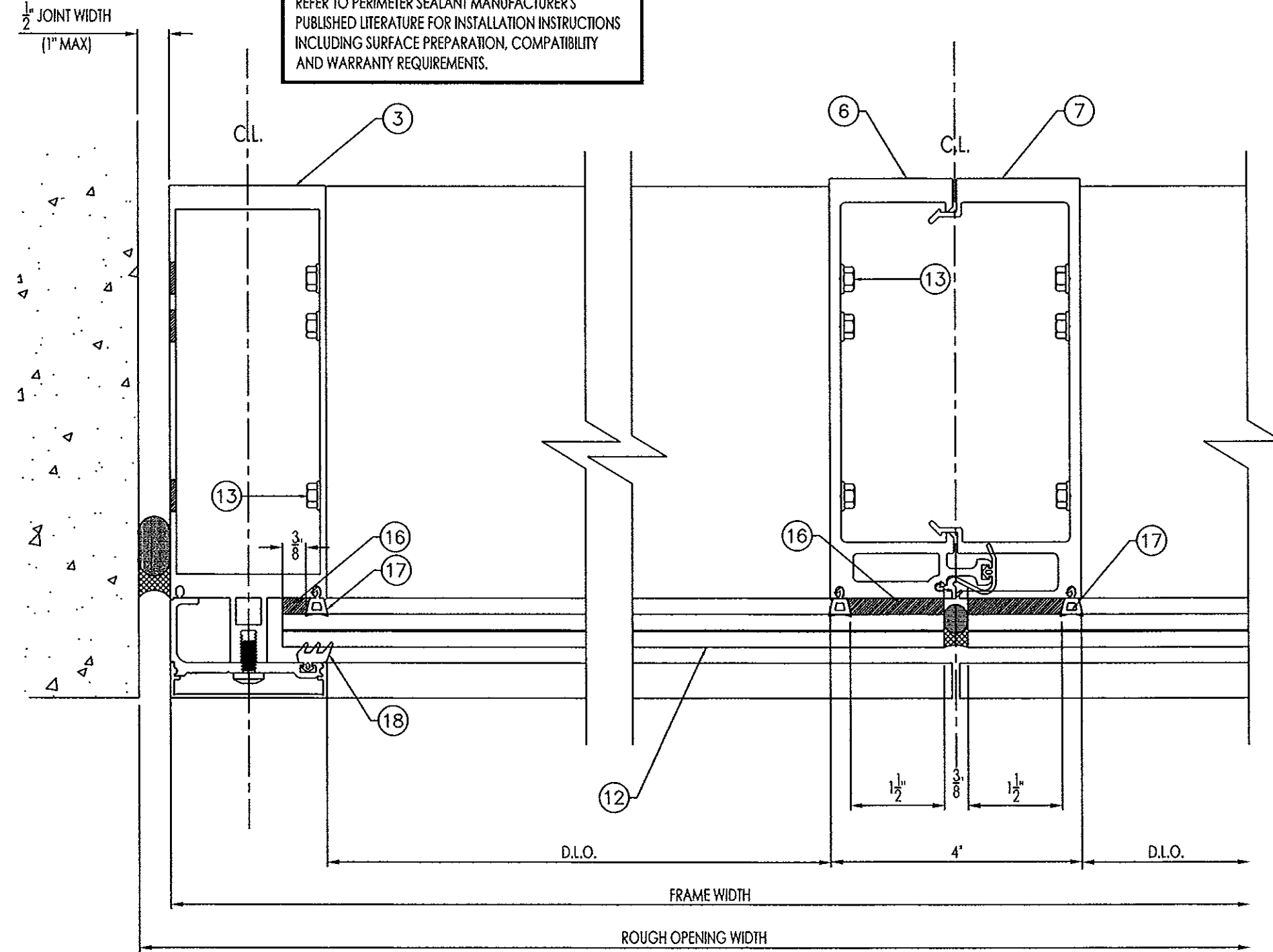
MANUEL MORALES, P.E.  
FL. REG. # 71643  
DWG No.

EUSA MDC-003  
SHEET 12 OF 16

MINIMUM PERIMETER SEALANT JOINT WIDTH SHALL BE 3/4".  
ACI 117-10 AND AISC 303-05 RECOMMEND A MAXIMUM  
VARIATION FROM THE PLUM OF 1" FOR A 10' SPAN.

JOINT WIDTHS WIDER THAN 1" SHALL BE REVIEWED  
BY DELEGATED ENGINEER OR ARCHITECT  
OF RECORD.

REFER TO PERIMETER SEALANT MANUFACTURER'S  
PUBLISHED LITERATURE FOR INSTALLATION INSTRUCTIONS  
INCLUDING SURFACE PREPARATION, COMPATIBILITY  
AND WARRANTY REQUIREMENTS.



DETAIL  
D

DETAIL  
E

Approved as complying with the  
Florida Building Code  
Date: Sep 11, 2014  
NOAH 14-16408.03  
Miami Dade Product Control  
By: Manuel Perez



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PROJECT NAME  
ALUMINUM WINDOW WALL  
SERIES WW4SG  
LARGE MISSILE IMPACT

SHEET TITLE  
TYPICAL DETAILS

SCALE: 6" = 1'-0"

PREPARED BY: FEEC	DRAWN BY: O.C.
ISSUE DATE: 5/28/14	REVIEWED BY: M.M.

DRAWING REVISION LOG

No.	Date:	Revision:
⚠	7/24/2014	PER MDC COMMENTS
⚠	9/03/2014	PER MDC COMMENTS

ENGINEER:  
FACADE AND ENVELOPE  
ENGINEERING CONSULTANTS, LLC  
CA# 30168  
8950 SW 74th Court  
22nd Floor Suite A-31  
Miami, FL 33156 | (786) 592-0181

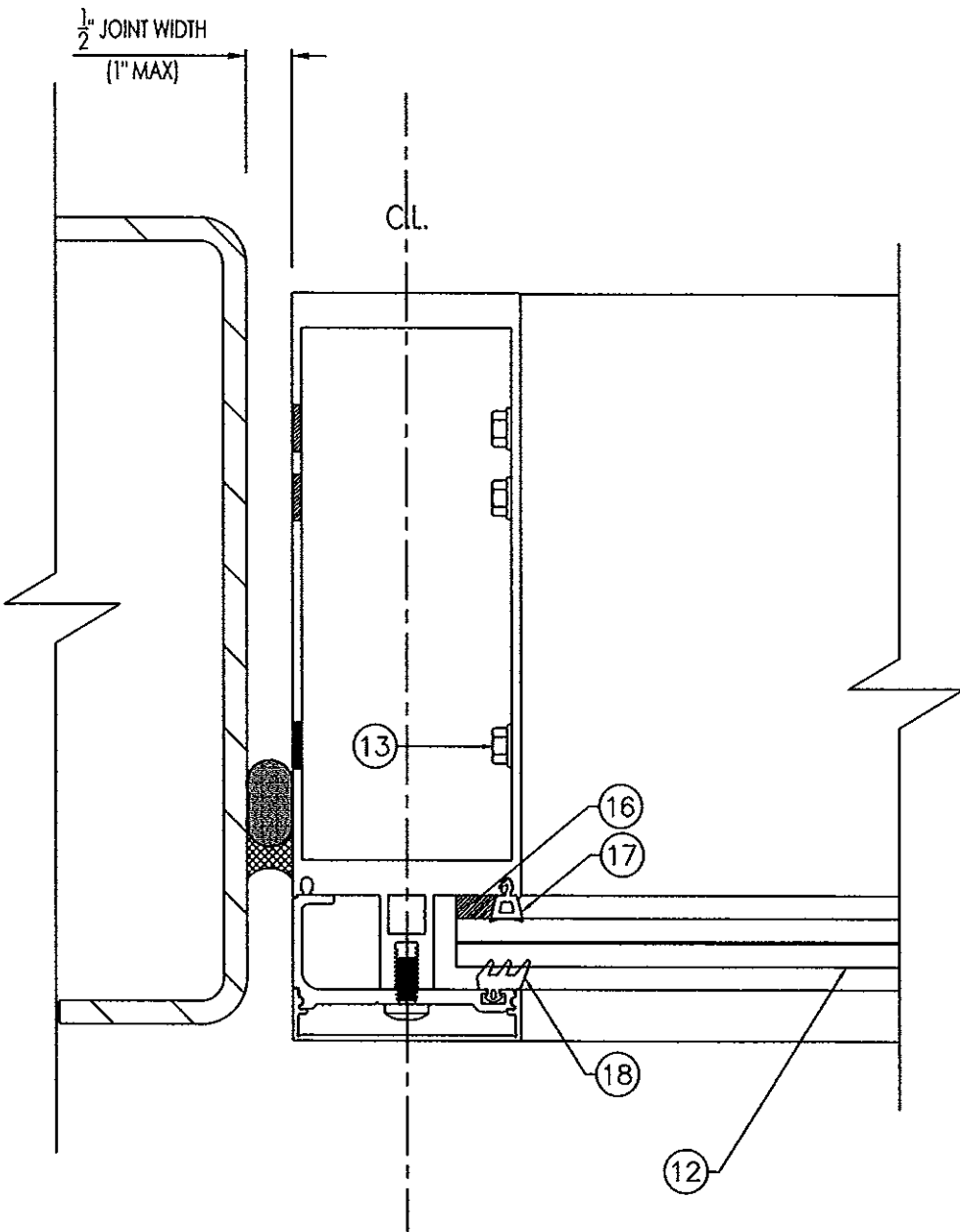
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SEP 03 2014

MANUEL MORALES, P.E.  
FL. REG. # 71643

DWG No.  
EUSA MDC-003  
SHEET 13 OF 16



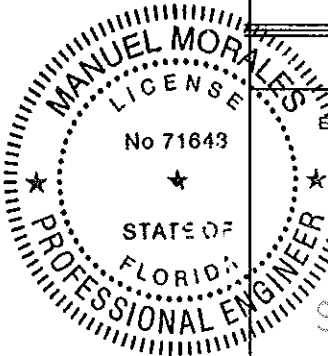
MINIMUM PERIMETER SEALANT JOINT WIDTH SHALL BE 1/4\"/>

JOINT WIDTHS WIDER THAN 1\"/>

REFER TO PERIMETER SEALANT MANUFACTURER'S  
PUBLISHED LITERATURE FOR INSTALLATION INSTRUCTIONS  
INCLUDING SURFACE PREPARATION, COMPATIBILITY  
AND WARRANTY REQUIREMENTS.

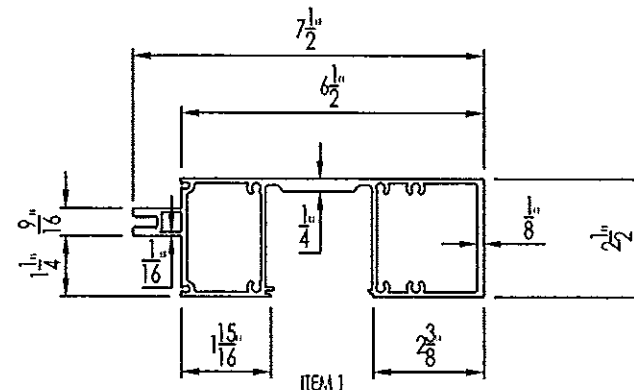
DETAIL  
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Approved as complying with the  
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Date: Sept. 11, 2014  
NOAH 14-10408-03  
Miami Dade Product Control  
By: Manuel Perez

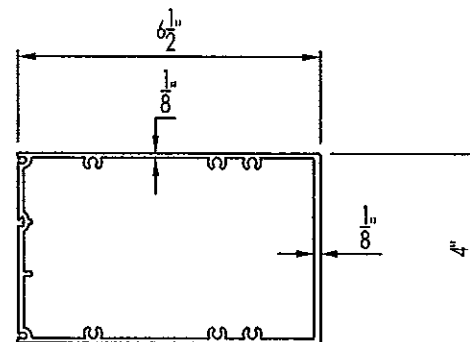




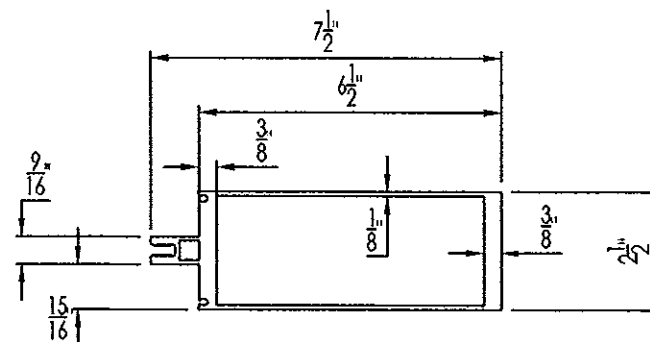
# ALUMINUM EXTRUSION DIMENSIONS



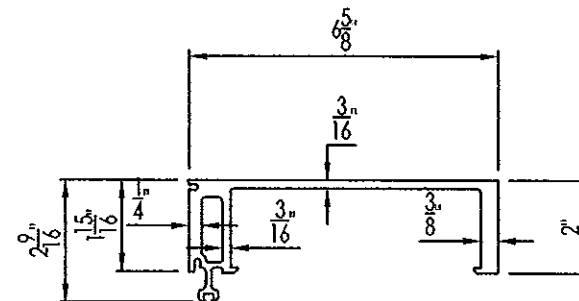
ITEM 1 PART # 60061  
HEAD AND SILL  
ALUMINUM 6063-T6



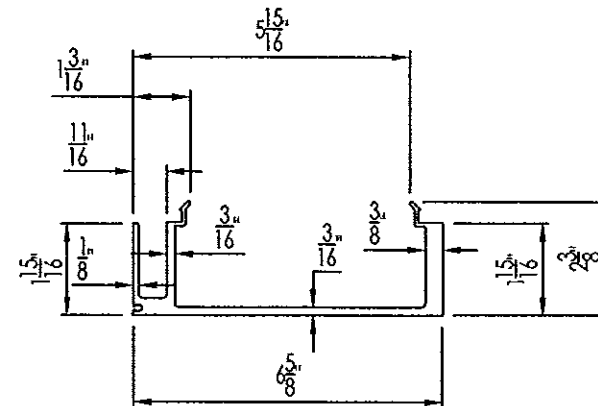
ITEM 2 PART # 60079  
INTERMEDIATE HORIZONTAL  
ALUMINUM 6063-T6



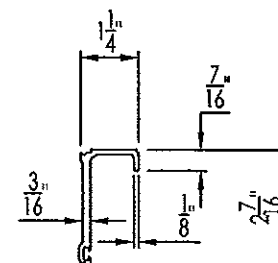
ITEM 3 PART # 50017  
JAMB  
ALUMINUM 6063-T6



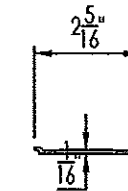
ITEM 6 PART # 60086  
FEMALE MULLION (4" MULLION)  
ALUMINUM 6063-T6



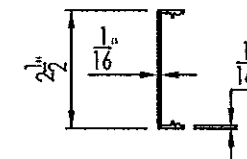
ITEM 7 PART # 60087  
MALE MULLION (4" MULLION)  
ALUMINUM 6063-T6



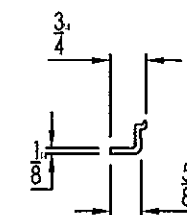
ITEM 8 PART # 53011  
PRESSURE PLATE  
ALUMINUM 6063-T6



ITEM 9 PART # 64005  
SNAP COVER (FOR ANCHOR)  
ALUMINUM 6063-T6



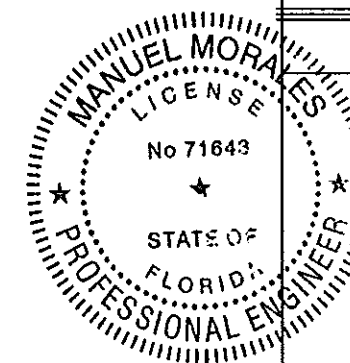
ITEM 10 PART # 54023  
COVER  
ALUMINUM 6063-T6



ITEM 11 PART # 11012  
GLASS SUPPORT ADAPTER  
ALUMINUM 6063-T6

Approved as complying with the  
Florida Building Code  
Date Sept 11, 2014  
NOA# 1210408.03  
Miami Dade Product Control

By Manuel Morales



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www.epsylon.ca

PROJECT NAME

ALUMINUM WINDOW WALL  
SERIES WW4SG  
LARGE MISSILE IMPACT

SHEET TITLE

ALUMINUM EXTRUSION  
DIMENSIONS

SCALE: 3" = 1'-0"

PREPARED BY: FECC

DRAWN BY: O.C.

ISSUE DATE: 5/28/14

REVIEWED BY: M.M.

DRAWING REVISION LOG

No.	Date:	Revision:
1	7/24/2014	PER MDC COMMENTS
2	9/03/2014	PER MDC COMMENTS

ENGINEER:

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Miami, FL 33156 | (786) 592-0181

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MANUEL MORALES, P.E.  
FL. REG. # 71643

DWG No.

EUSA MDC-003

SHEET 14 OF 16



BILL OF MATERIALS

ITEM	PART NUMBER, DESCRIPTION	MATERIAL	QUANTITY / SPACING
1	60061, WINDOW HEAD / SILL	6063-T6	AS REQUIRED
2	60079, INTERMEDIATE HORIZONTAL	6063-T6	AS REQUIRED
3	50017, WINDOW JAMB	6063-T6	AS REQUIRED
6	60086, 4" MULLION, FEMALE	6063-T6	AS REQUIRED
7	60087, 4" MULLION, MALE	6063-T6	AS REQUIRED
8	53011, PRESSURE PLATE	6063-T6	AS REQUIRED
9	64005, SNAP COVER	6063-T6	AS REQUIRED
10	54023, EXTERIOR COVER CAP	6063-T6	AS REQUIRED
11	11012, GLASS SUPPORT ADAPTER	6063-T6	4" LG. AT 1/4 POINTS
12	GT-1 OR GT-2: 1/16" LAMINATED (LMI): SEE GLASS DESCRIPTION	-	AS REQUIRED
13	#14 X 1 1/2" LG.HH SMS	304 ST/ST	6 PER EACH HZTL MEMBER
14	1/4-20 X 9/16" LG. PH MS	304 ST/ST	AT PRESSURE PLATE ADAPTER: 6" O.C.
15	TYPICAL ANCHORS	CARBON STEEL	SEE SHEET 8 FOR FASTENER TYPES
16	TREMCO PROGLAZE II OR GE SSG 4600, STRUCTURAL SILICONE.	-	AS REQUIRED
17	90006 TREMCO GLAZING SPACER	SILICONE	GLASS PERIMETER
18	90000 TREMCO GLAZING GASKET	EPDM DURO 70	GLASS PERIMETER
19	90103 TREMCO WEATHER STRIPPING GASKET	SILICONE	AT MULLIONS
20	3/8" X 3/4" X 4" LG. SETTING BLOCK	SILICONE	AT 1/4 POINTS
21	1/4" X 3/8" X 4" LG. SETTING BLOCK	SILICONE	AT EACH INT. GLASS SUPPORT

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PROJECT NAME  
 ALUMINUM WINDOW WALL  
 SERIES WW4SG  
 LARGE MISSILE IMPACT

SHEET TITLE  
 BILL OF MATERIALS

SCALE: NTS

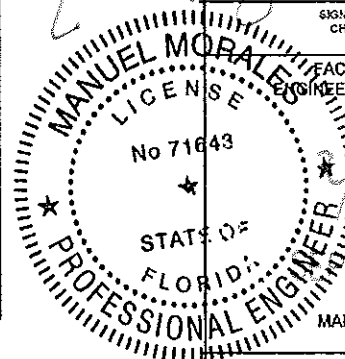
PREPARED BY: FECC  
 DRAWN BY: O.C.  
 ISSUE DATE: 5/28/14  
 REVIEWED BY: M.M.

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Approved as complying  
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 Date: Sept. 11, 2014  
 NOA# 14-0408-03  
 Miami Dade Product Control

By: Manuel Morales

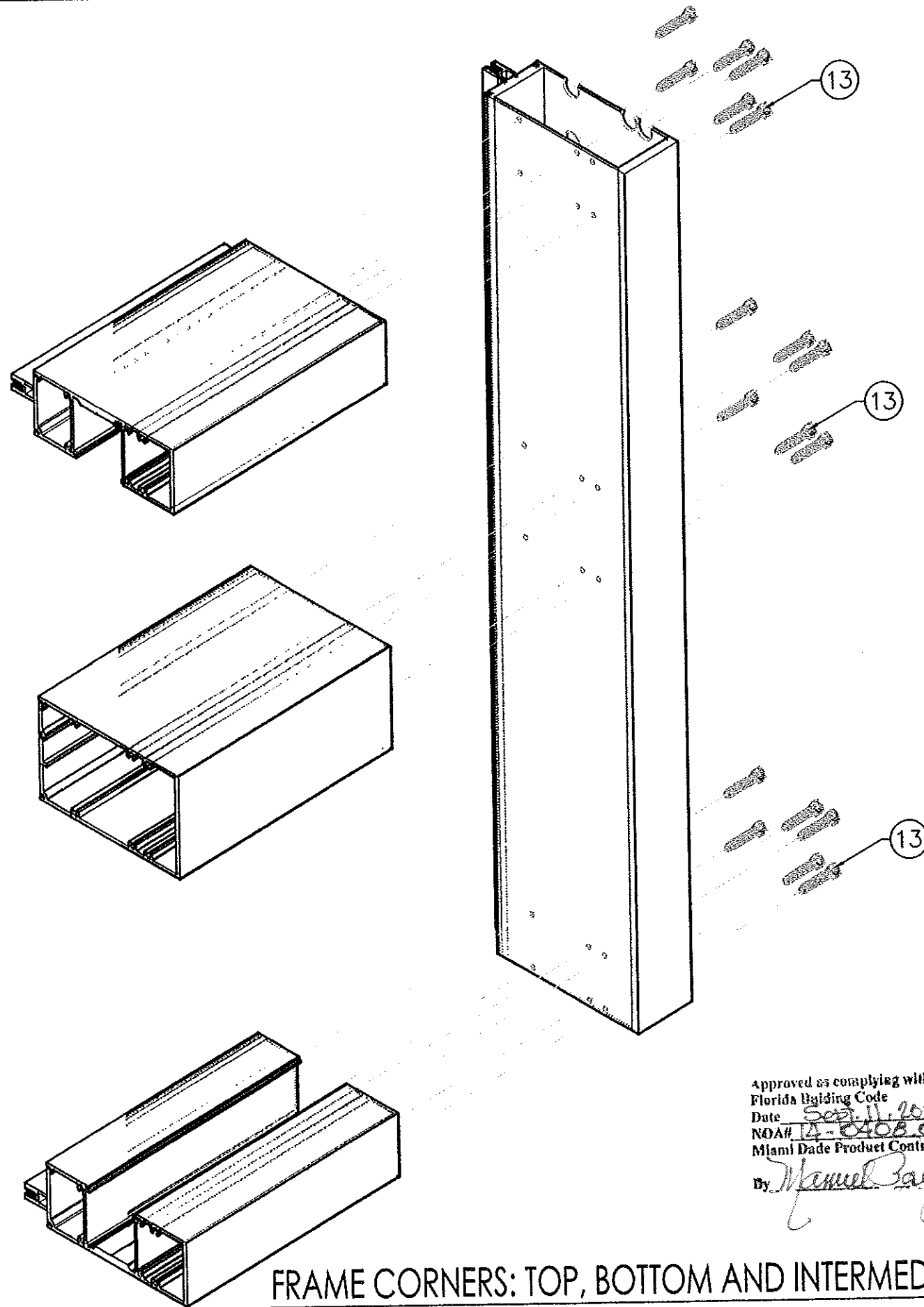


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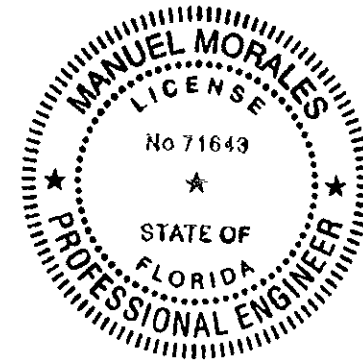
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 FL. REG. # 71643

DWG No.  
 EUSA MDC-003  
 SHEET 15 OF 16





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Date Sept. 11, 2014  
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By Manuel Bay



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PROJECT NAME

**ALUMINUM WINDOW WALL  
SERIES WW4SG  
LARGE MISSILE IMPACT**

SHEET TITLE

**ISOMETRIC DRAWING**

SCALE: NTS

PREPARED BY: FECC  
ISSUE DATE: 5/28/14

DRAWN BY: O.C.  
REVIEWED BY: M.M.

DRAWING REVISION LOG

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Manuel Morales  
9/03/14

MANUEL MORALES, P.E.  
FL. REG. # 71643

DWG No.

**EUSA MDC-003**

SHEET 16 of 16

**FRAME CORNERS: TOP, BOTTOM AND INTERMEDIATE**